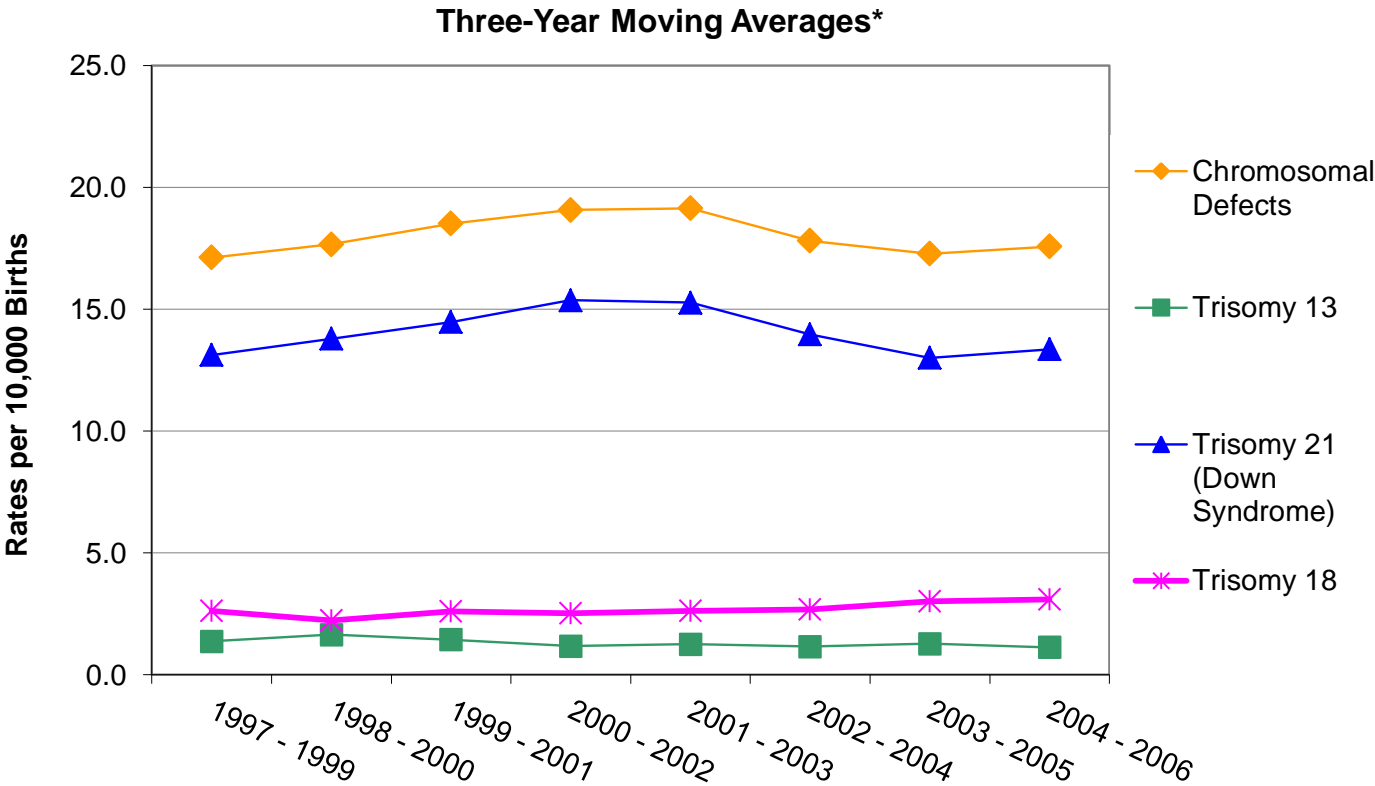


California Birth Defects Monitoring Program Data (1997-2006)

# Rates of Chromosomal Defects

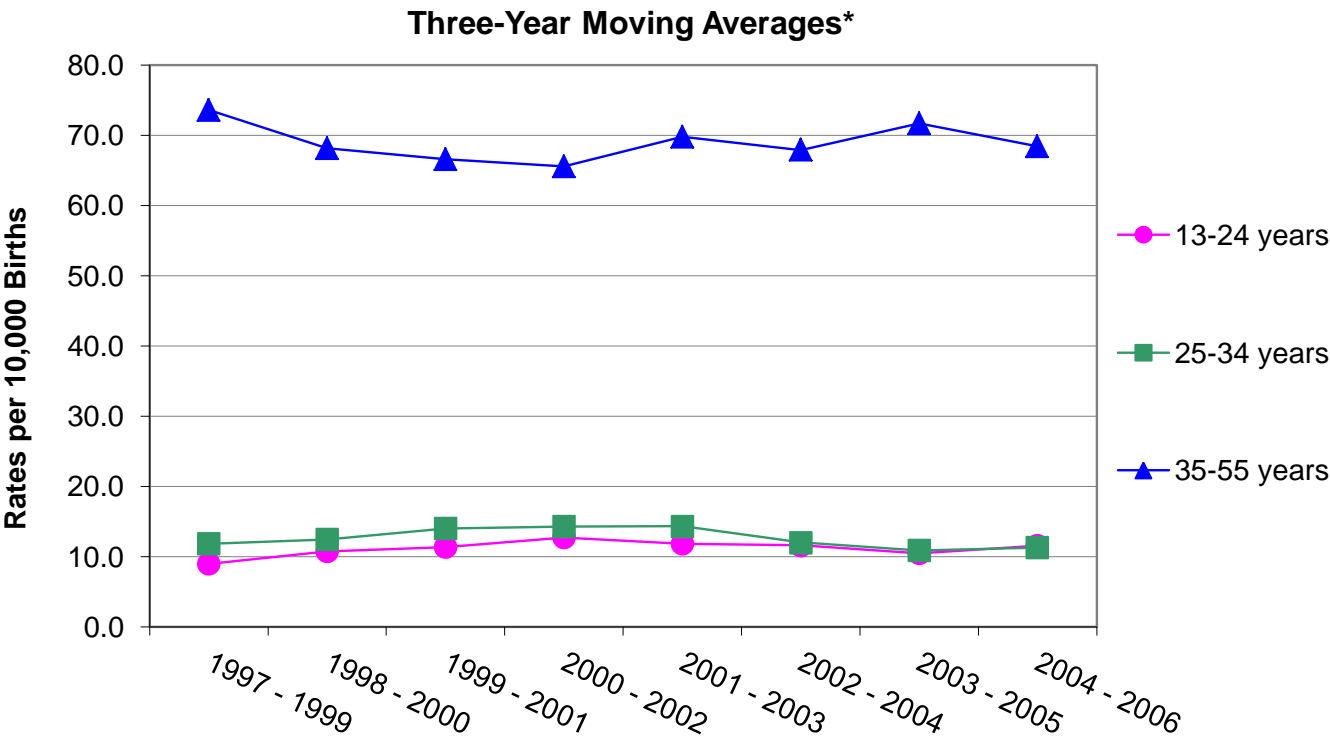
Central Valley Counties (Fresno, Kern, Kings, Madera, Merced, San Joaquin, Stanislaus, and Tulare)



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Chromosomal Defects for Central Valley Counties

Category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997 – 2006 (95% CI)
Chromosomal Defects	15.7	16.9	18.7	17.3	19.5	20.3	17.7	15.6	18.6	18.5	17.9 ( 16.9 - 19.0 )
Trisomy 13	0.5	1.6	2.0	1.4	1.0	1.1	1.6	0.8	1.5	1.1	1.3 ( 1.0 - 1.6 )
Trisomy 21 (Down Syndrome)	11.4	13.7	14.3	13.4	15.7	16.9	13.3	11.9	13.8	14.3	13.9 ( 13.0 - 14.8 )
Trisomy 18	3.8	1.6	2.5	2.6	2.7	2.3	2.8	2.9	3.3	3.1	2.8 ( 2.4 - 3.2 )

## Rates of Chromosomal Defects by Mother's Age



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Chromosomal Defects for Central Valley Counties by Mother's Age

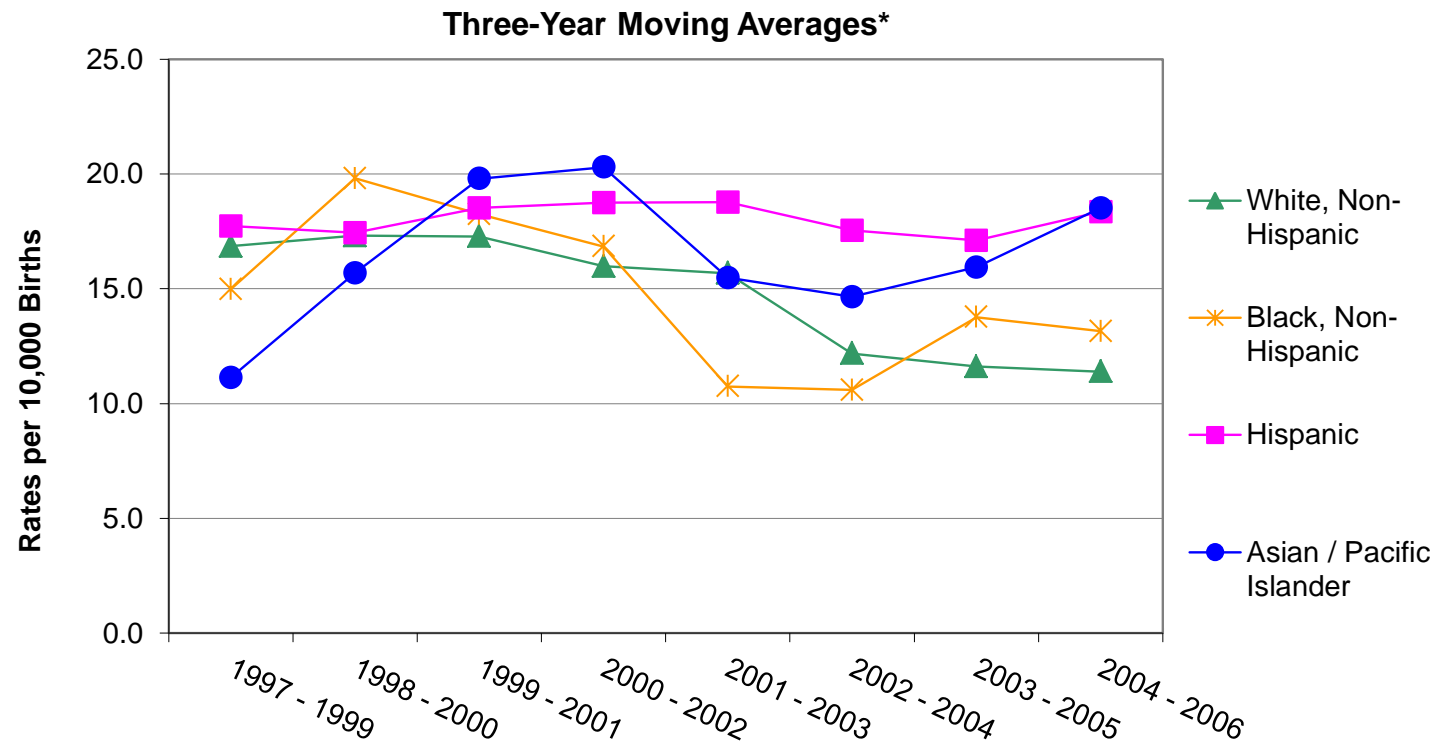
Category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997 – 2006 (95% CI)
13-24 Years	7.0	10.1	9.7	12.4	11.9	13.8	9.7	11.3	10.4	12.8	11.0 ( 9.8 - 12.3 )
25-34 Years	9.9	11.3	14.3	11.8	15.8	15.2	12.2	9.0	11.5	13.1	12.4 ( 11.1 - 13.8 )
35-55 Years	77.5	69.2	74.3	61.4	64.6	70.7	73.9	59.9	81.4	64.2	69.6 ( 63.3 - 76.3 )
Unknown/Missing †	714.3	833.3	2222.2	0.0	833.3	0.0	0.0	0.0	0.0	0.0	409.8 ( 133.1 - 956.4 )

\* Rates displayed in graph are based on the average of cases over three years

† Not represented on graph due to variability, secondary to small numbers

California Birth Defects Monitoring Program Data (1997-2006)

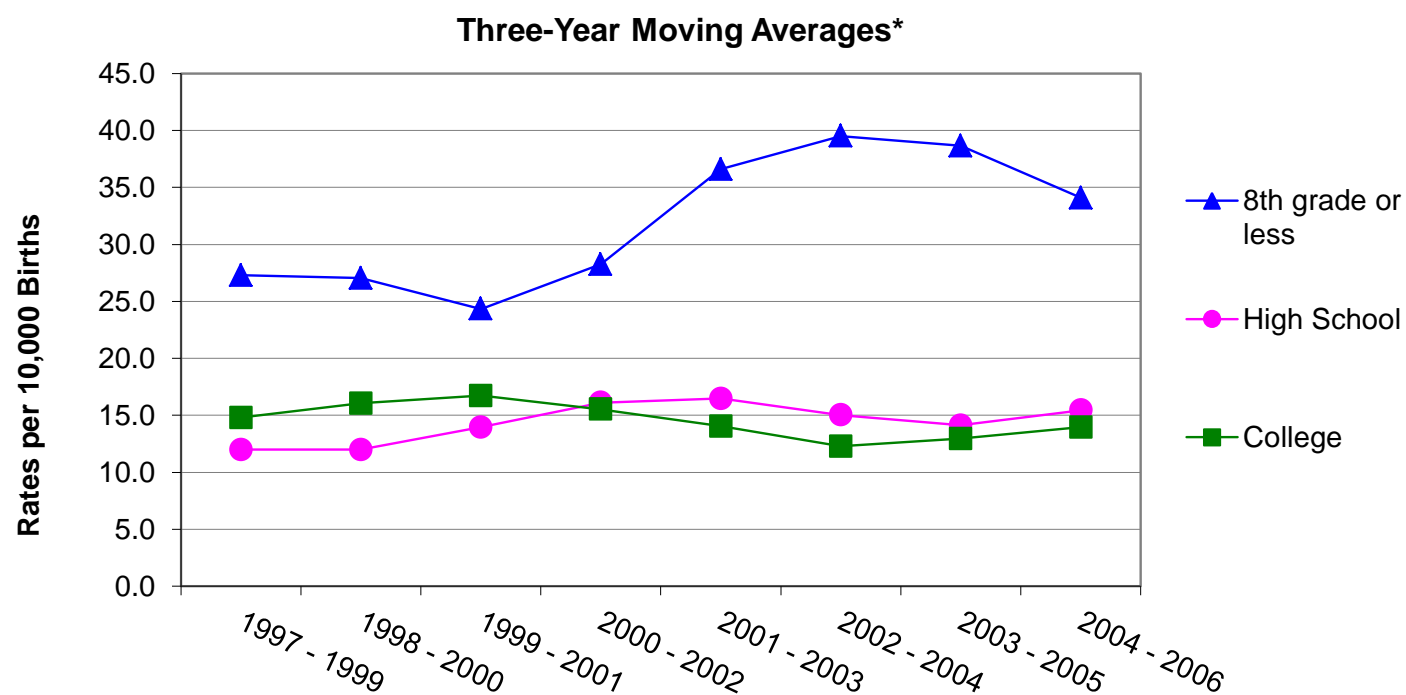
## Rates of Chromosomal Defects by Mother's Race/Ethnicity



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Chromosomal Defects for Central Valley Counties by Mother's Race/Ethnicity

Category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997 – 2006 (95% CI)
White, Non-Hispanic	13.7	18.7	18.2	15.0	18.7	14.2	14.1	8.2	12.5	13.5	14.7 ( 13.0 - 16.6 )
Black, Non-Hispanic	18.6	11.4	14.9	32.7	7.2	10.8	14.2	6.9	20.0	12.4	14.9 ( 10.7 - 20.1 )
Hispanic	17.1	17.1	18.9	16.4	20.2	19.5	16.7	16.5	18.0	20.4	18.1 ( 16.8 - 19.6 )
Asian / Pacific Islander	7.4	10.4	15.9	20.7	22.7	17.6	6.9	19.3	20.8	15.7	15.8 ( 12.2 - 20.1 )
American Indian †	0.0	0.0	0.0	53.6	0.0	28.4	0.0	0.0	25.7	0.0	10.4 ( 2.8 - 26.6 )
Other Race/Unknown †	198.7	53.8	121.6	48.1	108.7	649.8	440.4	295.6	474.3	193.5	282.5 ( 222.6 - 353.6 )

## Rates of Chromosomal Defects by Mother's Education



Annual and 10-Year Rates per 10,000 Live Births & Fetal Deaths of Chromosomal Defects for Central Valley Counties by Mother's Education

Category	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	1997 – 2006 (95% CI)
8th Grade or less	22.8	29.9	29.7	21.7	21.8	41.3	46.6	30.7	38.7	32.8	31.6 ( 28.0 - 35.5 )
High School	11.9	12.0	12.0	11.9	17.8	18.5	13.2	13.5	15.6	17.1	14.5 ( 13.2 - 15.8 )
College	12.2	15.2	16.7	16.1	17.3	13.3	11.8	11.8	15.1	14.8	14.4 ( 12.7 - 16.2 )
Unknown/Missing †	121.8	66.9	168.1	190.4	91.0	25.3	24.1	24.9	12.2	20.9	67.2 ( 52.8 - 84.2 )

\* Rates displayed in graph are based on the average of cases over three years

† Not represented on graph due to variability, secondary to small numbers